#### Computer Science - Computer Science Test - Computer Organisation & Architecture - COA Online Test 1

#### No. Question

- 1 A low memory can be connected to microprocessor by using
  - A INTER C Both (a) and (b)

B RESET IN D READY

- 2 A basic instruction that can be interpreted by a computer generally has
  - A An operand and an address

C Sequence register and decoder

B A decoder and an accumulator

D None of these

3 The addressing mode used in an instruction of the form ADD X, Y, is

A absolute C indirect

B immediate D Relative

- 4 Number of machine cycles required for RET instruction in 8085 michorocessor is
  - A 1 B 2
  - C 3 D None of these
- 5 The 8085 microprocessor responds to the presence of an interrupt

A As soon as the TRAP pin becomes 'LOW'

B By thecking the TRAP pin for 'high' status at the end of each instruction fetch

- C By checking the TRAP pin for 'high' status at the end of the execution of each instruction
- D By Checking the TRAP pin for 'high' status at regular intervals
- 6 The TRAP interrupt mechanism of the 8085 microposser executes

A An RST by hardware

The instruction supplied by external device through the INTA signal

C An instruction from memory location 20 H

D None of these

7 The address range to which I/O chip will respond is

A 0000 H to FFFF H

B 0000 H to SFFF H

C 4000 H to SFFFF H

D None of these

8 What is the average access time for a drum rotating at 4000 revolutions per minute?

A 2.5 milli seconds C 7.5 milli seconds B 5.0 mill seconds D 10.0 mill seconds

9 What is the byte capacity of a drum which is 5 inch high, 10 inch diameter, and which has 60 tracks per inch bit density of 800 bits per inch ?

A 94200 bytes

B 471000 bytes

C 18840 bytes

- D 16384 bytes
- 10 The memory address range to which RAM will respond

A 0000 H to 1 FFF H C 4000 H to 5FFF H B 0000 H to 5FFF H D 3000 H to FFFF H

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